

## ABSTRACT OF THE DISCLOSURE

The present invention is directed to a intranet for providing on-demand Internet access to subscribers which includes a service node and a plurality of subscriber terminals coupled to the service node by corresponding xDSL lines. In turn, the service node includes a switch coupled to the xDSL lines, a gateway coupled to the Internet, a router which couples the switch to the gateway and a bandwidth measurement server coupled to the gateway. The bandwidth measurement server determines upload and/or download data transfer rates between the service node and requesting ones of said the subscriber terminals coupled thereto.

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